

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/778,961
Source: 1FW16
Date Processed by STIC: 3/16/05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/778,961

CRF Edit Date: 3/17/05
Edited by: AL

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: / invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFW16

RAW SEQUENCE LISTING

DATE: 03/17/2005

PATENT APPLICATION: US/09/778,961

TIME: 10:07:03

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\03172005\I778961.raw

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6 <120> TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
7     NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
8     PROTEINS, AND USES THEREOF
11 <130> FILE REFERENCE: CL001113
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/778,961
C--> 13 <141> CURRENT FILING DATE: 2001-02-08
13 <150> PRIOR APPLICATION NUMBER: PCT/US02/02302
14 <151> PRIOR FILING DATE: 2002-01-28
16 <160> NUMBER OF SEQ ID NOS: 3
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1835
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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28 ggcaggtggt cctgggaaac ccagacaagt gccagtgca gcaggccaga gcagcatgcg 180
29 cgagctggtg gggtcaggcc gctatgacac gcaggaggac ttctctgtgg tgctgcagcc 240
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59 <211> LENGTH: 472
60 <212> TYPE: PRT
61 <213> ORGANISM: Homo sapiens
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67 20 25 30
68 Ala Leu Glu Pro Leu Gly Ser Lys Thr Glu Thr Leu Asp Leu Arg Ala
69 35 40 45
70 Glu Met Pro Ile Thr Cys Pro Thr Gln Asn Glu Pro Phe Leu Arg Thr
71 50 55 60
72 Pro Arg Asn Ser Asn Tyr Thr Tyr Pro Ile Lys Pro Ala Ile Glu Asn
73 65 70 75 80
74 Trp Gly Ser Asp Phe Leu Cys Thr Glu Trp Lys Ala Ser Asn Ser Val
75 85 90 95
76 Pro Thr Ser Val His Gln Leu Arg Pro Ala Asp Ile Lys Val Val Ala
77 100 105 110
78 Ala Leu Gly Asp Ser Leu Thr Thr Ala Val Gly Ala Arg Pro Asn Asn
79 115 120 125
80 Ser Ser Asp Leu Pro Thr Ser Trp Arg Gly Leu Ser Trp Ser Ile Gly
81 130 135 140
82 Gly Asp Gly Asn Leu Glu Thr His Thr Thr Leu Pro Asn Ile Leu Lys
83 145 150 155 160
84 Lys Phe Asn Pro Tyr Leu Leu Gly Phe Ser Thr Ser Thr Trp Glu Gly
85 165 170 175
86 Thr Ala Gly Leu Asn Val Ala Ala Glu Gly Ala Arg Ala Arg Asp Met
87 180 185 190
88 Pro Ala Gln Ala Trp Asp Leu Val Glu Arg Met Lys Asn Ser Pro Asp
89 195 200 205
90 Ile Asn Leu Glu Lys Asp Trp Lys Leu Val Thr Leu Phe Ile Gly Val
91 210 215 220
92 Asn Asp Leu Cys His Tyr Cys Glu Asn Pro Glu Ala His Leu Ala Thr
93 225 230 235 240
94 Glu Tyr Val Gln His Ile Gln Gln Ala Leu Asp Ile Leu Ser Glu Glu
95 245 250 255
96 Leu Pro Arg Ala Phe Val Asn Val Val Glu Val Met Glu Leu Ala Ser
97 260 265 270
98 Leu Tyr Gln Gly Gln Gly Gly Lys Cys Ala Met Leu Ala Ala Gln Asn
99 275 280 285
100 Asn Cys Thr Cys Leu Arg His Ser Gln Ser Ser Leu Glu Lys Gln Glu
101 290 295 300
102 Leu Lys Lys Val Asn Trp Asn Leu Gln His Gly Ile Ser Ser Phe Ser
103 305 310 315 320

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106 Pro Phe Phe Gln Asn Thr Leu Thr Pro Leu Asn Glu Arg Gly Asp Thr
107                               340                               345                               350
108 Asp Leu Thr Phe Phe Ser Glu Asp Cys Phe His Phe Ser Asp Arg Gly
109                               355                               360                               365
110 His Ala Glu Met Ala Ile Ala Leu Trp Asn Asn Met Leu Glu Pro Val
111                               370                               375                               380
112 Gly Arg Lys Thr Thr Ser Asn Asn Phe Thr His Ser Arg Ala Lys Leu
113 385                               390                               395                               400
114 Lys Cys Pro Ser Pro Glu Ser Pro Tyr Leu Tyr Thr Leu Arg Asn Ser
115                               405                               410                               415
116 Arg Leu Leu Pro Asp Gln Ala Glu Glu Ala Pro Glu Val Leu Tyr Trp
117                               420                               425                               430
118 Ala Val Pro Val Ala Ala Gly Val Gly Leu Val Val Gly Ile Ile Gly
119                               435                               440                               445
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126 <210> SEQ ID NO: 3

127 <211> LENGTH: 43543

128 <212> TYPE: DNA

129 <213> ORGANISM: Homo sapiens

131 <220> FEATURE:

132 <221> NAME/KEY: misc_feature

133 <222> LOCATION: (1)...(43543)

134 <223> OTHER INFORMATION: n = A,T,C or G

136 <400> SEQUENCE: 3

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W--> 139 gggggaaaga atgagagaag aaccctttc tctcaaggag acagccaagg gcatggannn 180
140 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
141 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
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155 aaccatttcc taggggccct gagacagccc caggaagaag tgccctggagc cccctctca 1140
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160 aggaggactt ctgccagaac gtcccttccc agaggtgga gccatgactc ccctgttacc 1440
161 caacttcaag gtgcctggca ggaacttcta tgataccagg cagccacaga ggggagggat 1500
162 caaagttggg acagaggctg gtgtttgaga gacaggatag cctagactgt gaacatgggc 1560
163 agtggttagg gatgtagaca tatgtggtca aactgtaaca gaaagcaagg aaaaggtaca 1620
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252 cctttaatga cctcctcct ccttttcccc agtcttgaaa atgtagatat tctccaattt 6960
253 tcatgtctcc attctatttt ctttcttttt tcactcactt tttgaaacag ggtcttgctc 7020
254 cgtctcccag gctggaagtg cagtggcgca atcacagctc tctgcagctt tcaactccta 7080

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 208,209,210,211,212,213,214,215,216,217,218,219,220,221,222
Seq#:3; N Pos. 223,224,225,226,227,228,229,230,231,232,233,234,235,236,237
Seq#:3; N Pos. 238,239,240,241,242,243,244,245,246,247,248,249,250,251,252
Seq#:3; N Pos. 253,254,255,256,257,258,259,260,261,262,263,264,265,266,267
Seq#:3; N Pos. 268,269,270,271,272,273,274,275,276,277,278,279,280,281,282
Seq#:3; N Pos. 283,284,285,286,287,288,289,290,291,292,293,294,295,296,297
Seq#:3; N Pos. 298,299,300,301,302,303,304,305,306,307,308,309,310,311,312
Seq#:3; N Pos. 313,314,315,316,317,318,319,320,321,322,323,324,325,326,327
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/778,961

DATE: 03/17/2005
TIME: 10:07:04

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\03172005\I778961.raw

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Seq#:3; N Pos. 913,914,915,916,917,918,919,920,921,922,923,924,925,926,927
Seq#:3; N Pos. 928,929,930,931,932,933,934,935,936,937,938,939,940,941,3217

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/778,961

DATE: 03/17/2005

TIME: 10:07:04

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\03172005\I778961.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120

M:341 Repeated in SeqNo=3



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/778,961

DATE: 03/16/2005

TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

4 <110> APPLICANT: Applera CORPORATION (NY)
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
 7 NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
 8 PROTEINS, AND USES THEREOF
 12 <130> FILE REFERENCE: CL001113
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/778,961
 C--> 15 <141> CURRENT FILING DATE: 2001-02-08
 17 <150> PRIOR APPLICATION NUMBER: 09/778,961
 18 <151> PRIOR FILING DATE: 2002-02-08
 20 <160> NUMBER OF SEQ ID NOS: 3
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

*delete - these are current
application data*

ERRORED SEQUENCES

130 <210> SEQ ID NO: 3
 131 <211> LENGTH: 43543
 132 <212> TYPE: DNA
 133 <213> ORGANISM: Homo sapiens
 135 <220> FEATURE:
 136 <221> NAME/KEY: misc_feature
 137 <222> LOCATION: (1)...(43543)
 138 <223> OTHER INFORMATION: n = A,T,C or G
 140 <400> SEQUENCE: 3
 141 attctgcagc caactttgtt gaccatctcc gcaatgcctt ggacgtcctg catagagagg 60
 142 tgggtggggg gcttcacaa gctggaaca gctcaagcat ggtgagggtg aaggtggatg 120
 W--> 143 ggggggaaaga atgagagaag aaccctttc tctcaaggag acagccaagg gcatggannn 180
 144 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 145 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 146 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
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 158 ccctgtatag actcctcccc agaactcaac tccagaaaga ccaagctgga ttgctaaagg 1080
 159 aaccatttcc taggggcctt gagacagccc caggaagaag tgcttgagc cccctctca 1140

**Does Not Comply
Corrected Diskette Needed**

P.16

RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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161 cactatcatg cggcaggtgt tcctgggaaa cccagacaag tgcccagtgc agcaggccag 1260
162 gtaggcaggt cctggctgtc cccacactgg agatgcctc acctcctggt ctggcccaca 1320
163 tgcagtgggt atgcctcagg gtctttgtga cttggtctat ccattgtgtc aagtctgtaa 1380
164 aggaggactt ctgcccagaac gtcccttcc agaggctgga gccatgactc cctgtttacc 1440
165 caacttcaag gtgcctggca ggaacttcta tgataccagg cagccacaga ggggagggat 1500
166 caaagtggg acagaggctg gtgtttgaga gacaggatag cctagactgt gaacatgggc 1560
167 agtggttagg gatgtagaca tatgtggtca aactgtaaca gaaagcaagg aaaagggtaca 1620
168 agcaactcag ttacctttag gggagaaga gaattaggag ggacacaggg agcttcaaac 1680
169 tgggagtgtt ttgtttctta aactgggcca taagtacatg gatgtgtgtt ttattattct 1740
170 ttatatctta cacatctatt tactcagcaa atcttacaga acttcctgtg taccaggcat 1800
171 tgtttcaagt gctttagaaa tctctctctt aagtagatgt gatgggtgtg aaataattca 1860
172 tgatgaaacc aaaggggaca cagtagggca ctcatgtgaa agaaggagag gtctaaggca 1920
173 tagcatcaga ggccccaaaa tatcagctcc aacaccagag gatgcatttt ctttttaatt 1980
174 aaacactaaa ttttactgc ccaaattcat ttgctcagct gaataatcgg ttgcaggccc 2040
175 agcacctgca gtccaacact tgtgtctctgt tggatgaga ggggtgtcat tcccacgctg 2100
176 gctccctccc tcggggccatc tccagtcccc ctgccaggcc tgaagcctgc ccctgagcat 2160
177 gtgcgccaga gcctcaaggc ttgagtgtct ctaaaccagg gggggaggga geeteteaac 2220
178 cctccctctg aacctgggca atcagaacca gcccctgatg gaagcctgag ctctggggcc 2280
179 tcctgcctcc cctctttgt gcagcgtttt gtgtaactgc gttctgacct tgcgggagaa 2340
180 ctcccaagag ctagccaggc tggaggcctt cagccagacc taccgggtaa gaccaagaag 2400
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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

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212 ccatattcat tccactttcc ctatgtgccg gccaccatgt taggcagttt aagccacggt 4320
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255 ctcttctctg ggtttgtgga cactaaatcg ccttgatttt tctggtcttc tgtttgcttg 6900
256 cctttaatga cctcctcct ccctttcccc agtcttgaaa atgtagatat tctccaattt 6960
257 tcatgtctcc attctatttt ctttcttttt tcaactcact tttgaaacag ggtcttgctc 7020

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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260 catgcccagc taattttggt ttattttggtt tggtagaggg ggggtcttgc cattttggct 7200
261 caggctgatt ttgaactctg gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 7260
262 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 7320
263 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 7380
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302 ggggaggggg aagaaagccc tgaggcaccc cggctgcctg tctgccacaa ccctgggctg 9720
303 taattgttct tgccatggcc tcagtctgca acacattcta gtgtctcctt gacctctagc 9780
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305 aacacattgt ccagttgcac tcgcagcact tccaaaaagg tcaagtttgt ccttccctca 9900
306 gtgcctccca ttctgggtcac ggtaggactg actccagccc ctggacccta agctgagtct 9960
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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

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TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

Input Set : A:\SEQ.LISTING CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

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TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

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TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

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Output Set: N:\CRF4\03162005\I778961.raw

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RAW SEQUENCE LISTING

DATE: 03/16/2005

PATENT APPLICATION: US/09/778,961

TIME: 16:16:23

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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E--> 867 15

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/778,961

DATE: 03/16/2005

TIME: 16:16:24

Input Set : A:\SEQ.LISTING_CL001113.TXT

Output Set: N:\CRF4\03162005\I778961.raw

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
M:341 Repeated in SeqNo=3
L:867 M:254 E: No. of Bases conflict, this line has no nucleotides.